

Bloom, wherein said plasticizers having a viscosity cSt @ 40°C of at least not greater than about 30; said gel being formed with or without a major or minor amounts of [(III)] (IV) one or more selected copolymers, polyethylene-polystyrene interpolymers, or polymers; and wherein said gel having a tackiness of less than about 3 gram Tack.

2. (once amended) An improved non-surface activated, non-tacky gel composition according to claim 1, wherein said glassy homopolymers is a glassy associated phase resins.

3. (once amended) An improved non-surface activated, non-tacky gel composition according to claim 1, wherein said crystalline components having a selected crystallinity capable of exhibiting in differential scanning calorimeter ([DCS] DSC) a melting endotherm of about 25°C, 21°C, 22°C, 23°C, 24°C, 25°C, 26°C, 27°C, 28°C, 29°C, 30°C, 31°C, 32°C, 33°C, 34°C, 35°C, 36°C, 37°C, 38°C, 39°C, 40°C, 41°C, 42°C, 43°C, 44°C, 45°C, 46°C, 47°C, 48°C, 49°C, 50°C, 51°C, 52°C, 53°C, 54°C, 55°C, 56°C, 57°C, 58°C, 59°C, 60°C or higher.

4. (once amended) An improved non-surface activated, non-tacky gel composition according to claim 1, wherein said copolymer of said gel is formed in combination with or without a selected amount of one or more polymer or copolymer of poly(styrene-butadiene-styrene), poly(styrene-butadiene), poly(styrene-isoprene-styrene), poly(styrene-isoprene), poly(styrene-ethylene-propylene), poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene), poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-butylene)n, maleated poly(styrene-ethylene-propylene-styrene), maleated poly(styrene-ethylene-butylene-styrene), maleated poly(styrene-ethylene-butylene), maleated poly(styrene-ethylene-propylene)n, maleated poly(styrene-ethylene-butylene)n, polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, polyethyleneoxide, poly(dimethylphenylene oxide), copolymers of trifluoromethyl-

A¹
4,5-difluoro-1,3-dioxole and tetrafluoroethylene, tetrafluoroethylene, polycarbonate, ethylene vinyl alcohol copolymer, polyamide or polydimethylsiloxane; wherein said copolymer is a linear, branched, radial, or a multiarm copolymer.

[Please add the following new claims 11-14:]

11. An gel comprising:

SN
B³⁰
A²
(i) 100 parts by weight of one or a mixture of two or more of a linear, branched, radial, or a multiarm block copolymer of poly(styrene-butadiene-styrene), poly(styrene-butadiene)n, poly(styrene-isoprene-styrene), poly(styrene-isoprene)n, poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-ethylene-propylene-styrene), poly(styrene-ethylene-ethylene-butylene-styrene), poly(styrene-ethylene-ethylene-propylene)n, poly(styrene-ethylene-ethylene-butylene)n, maleated poly(styrene-ethylene-propylene-styrene), maleated poly(styrene-ethylene-butylene-styrene), maleated poly(styrene-ethylene-butylene)n, maleated poly(styrene-ethylene-propylene)n, or maleated poly(styrene-ethylene-butylene)n; said gel being formed in combination with or without one or a mixture of two or more of a selected amount of a poly(ethylene-styrene) interpolymers made by metallocene catalysts, using single site, constrained geometry addition polymerization catalysts;

(ii) from about 250 to about 1,600 parts of a plasticizer sufficient to achieve a gel rigidity of from less than about 2 gram Bloom to about 1,800 gram Bloom;

(iii) said gel being formed with or without a major or minor amount of one or a mixture of two or more polymers of polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, polyethyleneoxide, poly(dimethylphenylene oxide), copolymers of trifluoromethyl-4,5-difluoro-1,3-dioxole and tetrafluoroethylene, tetrafluoroethylene, polycarbonate, ethylene vinyl alcohol copolymer, polyamide or polydimethylsiloxane.

12. An gel comprising:

(i) 100 parts by weight of one or a mixture of two or more of a linear, branched, radial, or a multiarm block copolymer of poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-

5/630
CM1
butylene-styrene), poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-ethylene-propylene-styrene), poly(styrene-ethylene-ethylene-butylene-styrene), poly(styrene-ethylene-ethylene-propylene)n, poly(styrene-ethylene-ethylene-butylene)n, maleated poly(styrene-ethylene-propylene-styrene), maleated poly(styrene-ethylene-butylene-styrene), maleated poly(styrene-ethylene-butylene)n, maleated poly(styrene-ethylene-propylene)n, or maleated poly(styrene-ethylene-butylene)n; said gel being formed in combination with or without one or more of a selected amount of a poly(ethylene-styrene) interpolymers made by metallocene catalysts, using single site, constrained geometry addition polymerization catalysts;

(ii) from about 250 to about 1,600 parts of a plasticizer sufficient to achieve a gel rigidity of from less than about 2 gram Bloom to about 1,800 gram Bloom;

(iii) said gel being formed with or without a major or minor amount of one or more polymers of polystyrene, polybutylene, poly(ethylene-propylene), poly(ethylene-butylene), polypropylene, polyethylene, polyethyleneoxide, poly(dimethylphenylene oxide), copolymers of trifluoromethyl-4,5-difluoro-1,3-dioxole and tetrafluoroethylene, tetrafluoroethylene, polycarbonate, ethylene vinyl alcohol copolymer, polyamide or polydimethylsiloxane.

13. An gel comprising:

(i) 100 parts by weight of one or a mixture of two or more of a linear, branched, radial, or a multibranched block copolymer of poly(styrene-ethylene-propylene)n, poly(styrene-ethylene-propylene-styrene), poly(styrene-ethylene-butylene-styrene), poly(styrene-ethylene-butylene)n, poly(styrene-ethylene-ethylene-propylene-styrene), poly(styrene-ethylene-ethylene-butylene-styrene), poly(styrene-ethylene-ethylene-propylene)n, or poly(styrene-ethylene-ethylene-butylene)n; said gel being formed in combination with or without one or more of a selected amount of a poly(ethylene-styrene) interpolymers made by metallocene catalysts, using single site, constrained geometry addition polymerization catalysts;

(ii) from about 250 to about 1,600 parts of a plasticizer sufficient to achieve a gel rigidity of from less than about 2 gram Bloom to about 1,800 gram Bloom;

(iii) said gel being formed with or without a major or minor amount of one or more polymers of polystyrene, polybutylene, polypropylene, polyethylene, polyethyleneoxide.

SV
B30
CMB
A

14. An gel comprising:

(i) 100 parts by weight of one or a mixture of two or more of a linear, branched, radial, or a multiarm block copolymer of poly(styrene-ethylene-ethylene-propylene-styrene), poly(styrene-ethylene-ethylene-butylene-styrene), poly(styrene-ethylene-ethylene-propylene)_n, or poly(styrene-ethylene-ethylene-butylene)_n; said gel being formed in combination with or without one or more of a selected amount of a poly(ethylene-styrene) interpolymers made by metallocene catalysts, using single site, constrained geometry addition polymerization catalysts;

(ii) from about 250 to about 1,600 parts of a plasticizer sufficient to achieve a gel rigidity of from less than about 2 gram Bloom to about 1,800 gram Bloom;

(iii) said gel being formed with or without a major or minor amount of one or more polymers of polystyrene, polybutylene, polypropylene, polyethylene.

REMARKS

The application and the material cited to date have been carefully reviewed along with Examiner's remarks in the Office action. After this review, Applicant is convinced that his claimed composition and articles are novel and patentable. Applicant strongly believes that his application embodies a significant discovery, that the claims define the invention in a clear and definite manner, and that all of the amended claims are allowable.

Claims 1-10 and new claims 11-14 are pending in the case. Claims 1-4 are amended. Correction as to formal matters (item f of page 3) to claims 5-9 is being submitted under separate cover with correction to the specification and drawings. Amendments to overcome the objections pointed out in items a-f have been made to the claims.

Rejection under §2 of 35 USC 112

Claims 1, 2, and 3 are amended to overcome the rejections indicated as items a-g of page 4-7. With respect to item g, claims 1 and 4 of the rejection, the rejection should be withdrawn because the language of claim 1 with respect to item g is definite, distinct and particularly point out the claimed invention which also applies